

	Type	Hits	Search Text	DBs
1	BRS	1	"20040004985"	USPAT; US-PGPUB; JPO
2	BRS	1	6589805.pn.	USPAT; US-PGPUB; JPO
3	BRS	1	"5058120".PN.	USPAT; US-PGPUB
4	BRS	1	"5058120".PN.	USPAT; US-PGPUB
5	BRS	1	"5058120".PN.	USPAT; US-PGPUB
6	BRS	1	"5256596".PN.	USPAT; US-PGPUB
7	BRS	1	"5258316".PN.	USPAT; US-PGPUB
8	BRS	1	"5416044".PN.	USPAT; US-PGPUB
9	BRS	1	"5557627".PN.	USPAT; US-PGPUB
10	BRS	1	"5559053".PN.	USPAT; US-PGPUB
11	BRS	1	"5724376".PN.	USPAT; US-PGPUB
12	BRS	1	"5831295".PN.	USPAT; US-PGPUB
13	BRS	1	"5831295".PN.	USPAT; US-PGPUB
14	BRS	1	"5837561".PN.	USPAT; US-PGPUB
15	BRS	1	"5985686".PN.	USPAT; US-PGPUB
16	BRS	1	"6160830".PN.	USPAT; US-PGPUB
17	BRS	1	"6169756".PN.	USPAT; US-PGPUB
18	BRS	1	"6160830".PN.	USPAT; US-PGPUB
19	BRS	1	"6169756".PN.	USPAT; US-PGPUB
20	BRS	1	"6306672".PN.	USPAT; US-PGPUB
21	BRS	1	"6465811".PN.	USPAT; US-PGPUB
22	BRS	8	VCSEL and cavity with (non adj2 solid or gas or liquid or vacuum) and current adj2 (confinement or restriction)	USPAT; US-PGPUB; JPO
23	BRS	148	VCSEL and cavity with (non adj2 solid or gas or liquid or vacuum)	USPAT; US-PGPUB; JPO

	Type	Hits	Search Text	DBs
24	BRS	140	(VCSEL and cavity with (non adj2 solid or gas or liquid or vacuum) ) not (VCSEL and cavity with (non adj2 solid or gas or liquid or vacuum) and current adj2 (confinement or restriction))	USPAT; US-PGPUB; JPO
25	BRS	2619	VCSEL and (cavity gas or vacuum)	USPAT; US-PGPUB; JPO
26	BRS	42	VCSEL and cavity near4 (gas or vacuum)	USPAT; US-PGPUB; JPO
27	BRS	3389	laser and cavity near4 (gas or vacuum)	USPAT; US-PGPUB; JPO
28	BRS	24	laser and cavity near4 (gas or vacuum) and DBR	USPAT; US-PGPUB; JPO
29	IS&R	10	((("5256596") or ("5258316") or ("5557627") or ("5559053") or ("5724376") or ("5831295") or ("5837561") or ("5985686") or ("6160830") or ("6169756"))).PN.	USPAT; US-PGPUB; JPO
30	BRS	8314	laser and cavity with (air or gas or liquid or non adj2 solid)	USPAT; US-PGPUB; JPO
31	BRS	230	VCSEL and cavity with (air or gas or liquid or non adj2 solid)	USPAT; US-PGPUB; JPO
32	BRS	28	VCSEL and etched adj2 cavity	USPAT; US-PGPUB; JPO

	Type	Hits	Search Text	DBs
33	BRS	46	(US-6589805-\$ or US-6275513-\$ or US-6327287-\$ or US-6674090-\$ or US-6548908-\$ or US-6545335-\$ or US-6674159-\$ or US-6665076-\$ or US-6645784-\$ or US-6639932-\$ or US-6639922-\$ or US-6600846-\$ or US-6594022-\$ or US-6584126-\$ or US-6577658-\$ or US-6546029-\$ or US-6546028-\$ or US-6504180-\$ or US-6498800-\$ or US-5912913-\$).did. or (US-20040008605-\$ or US-20040004985-\$ or US-20040004981-\$ or US-20030189963-\$ or US-20030185261-\$ or US-20030170965-\$ or US-20030170946-\$ or US-20030169786-\$ or US-20030138017-\$ or US-20030112837-\$ or US-20030096439-\$ or US-20030091072-\$ or US-20030076083-\$ or US-20030075723-\$ or US-20030067009-\$ or US-20030031221-\$ or US-20030012231-\$ or US-20020176473-\$ or	USPAT; US-PGPUB

	Type	Hits	Search Text	DBs
34	BRS	29	((US-6589805-\$ or US-6275513-\$ or US-6327287-\$ or US-6674090-\$ or US-6548908-\$ or US-6545335-\$ or US-6674159-\$ or US-6665076-\$ or US-6645784-\$ or US-6639932-\$ or US-6639922-\$ or US-6600846-\$ or US-6594022-\$ or US-6584126-\$ or US-6577658-\$ or US-6546029-\$ or US-6546028-\$ or US-6504180-\$ or US-6498800-\$ or US-5912913-\$).did. or (US-20040008605-\$ or US-20040004985-\$ or US-20040004981-\$ or US-20030189963-\$ or US-20030185261-\$ or US-20030170965-\$ or US-20030170946-\$ or US-20030169786-\$ or US-20030138017-\$ or US-20030112837-\$ or US-20030096439-\$ or US-20030091072-\$ or US-20030076083-\$ or US-20030075723-\$ or US-20030067009-\$ or US-20030031221-\$ or US-20030012231-\$ or US-20020176473-\$ or	USPAT; US-PGPUB; JPO

	L #	Hits	Search Text	DBs	Time Stamp
1	L3	3	VCSEL and current adj2 (confinement or restriction) adj3 layer with InGaAs\$2	USPA T; US-P GPUB ; JPO	2004/03/0 3 13:25
2	L10	9	VCSEL and current adj2 (confinement or restriction) with InGaAs\$2	USPA T; US-P GPUB ; JPO	2004/03/0 3 13:26
3	L11	12	VCSEL and current adj2 (confinement or restriction) with In\$3Ga\$3As\$2	USPA T; US-P GPUB ; JPO	2004/03/0 3 13:27
4	L12	12	l11 not l1	USPA T; US-P GPUB ; JPO	2004/03/0 3 13:26
5	L13	3	l11 not l10	USPA T; US-P GPUB ; JPO	2004/03/0 3 13:26
6	L14	15	VCSEL and current adj2 (confinement or restrict\$5 or blocking) with In\$3Ga\$3As\$2	USPA T; US-P GPUB ; JPO	2004/03/0 3 14:29
7	L15	3	l14 not l12	USPA T; US-P GPUB ; JPO	2004/03/0 3 13:27
8	L16	509	vcsel and cavity and current near4 (insulat\$3 or block\$4 or restrict\$4 or confine\$5)	USPA T; US-P GPUB ; JPO	2004/03/0 3 13:49

	L #	Hits	Search Text	DBs	Time Stamp
9	L17	13	vcSEL and cavity with (filled or sealed) and current near4 (insulat\$3 or block\$4 or restrict\$4 or confine\$5)	USPA T; US-P GPUB ; JPO	2004/03/0 3 14:27
10	L18	0	6577658.pn and "215"	USPA T; US-P GPUB ; JPO	2004/03/0 3 14:28
11	L23	1	6577658.pn. and "215"	USPA T; US-P GPUB ; JPO	2004/03/0 3 14:29
12	L24	288	laser and current adj2 (confinement or restrict\$5 or blocking) with In\$3Ga\$3As\$2	USPA T; US-P GPUB ; JPO	2004/03/0 3 14:29
13	L25	0	laser and current adj2 (confinement or restrict\$5 or blocking) with In\$3Ga\$3As\$2 same low adj2 bandgab	USPA T; US-P GPUB ; JPO	2004/03/0 3 14:30
14	L26	0	laser and current adj2 (confinement or restrict\$5 or blocking) with In\$3Ga\$3As\$2 same low adj2 bandgap	USPA T; US-P GPUB ; JPO	2004/03/0 3 14:30
15	L27	23	laser and current adj2 (confinement or restrict\$5 or blocking) with In\$3Ga\$3As\$2 same bandgap	USPA T; US-P GPUB ; JPO	2004/03/0 3 14:30